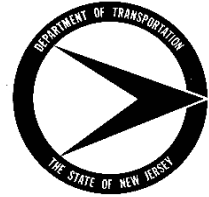


***New Jersey Department of Transportation***

1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



***Baseline Document Change Announcement***

***Subsections 618.01, 618.10, 618.12, 618.14 and 618.15  
Removal and Replacement of Traffic Delineation Devices***

**BDC02S-01**

**May 9, 2002**

**SUBJECT: Revisions to Subsections 618.01, 618.10, 618.12, 618.14 and 618.15 of the 2001 Standard Specifications in both English Units and Metric Units**

The above referenced subsections of the Standard Specifications, except for Subsection 618.10, are revised to address the removal and replacement of raised pavement markers and pavement reflector lenses. Subsection 618.10 is revised to correct an error.

The following revisions shall be incorporated in the English unit Standard Input SI2001E1:

**SECTION 618 - TRAFFIC STRIPES AND MARKINGS**

**618.01 Description.**

THE FOLLOWING IS ADDED TO THIS SUBSECTION:

Removal of pavement reflectors and castings consists of the removal and disposal of existing raised pavement markers, including the lense when still intact.

Removal and replacement of pavement reflector lenses consists of the removal of existing pavement reflector lenses and installing new mono-directional or bi-directional pavement reflector lenses.

**618.10 Defective Stripes or Markings.**

STEP 2 OF SUBPART 2 IN THE THIRD PARAGRAPH IS CHANGED TO:

Step 2: All retroreflectance measurements taken with a LTL2000 Retrometer will be made on a clean, dry surface.

**618.12 Removal of Traffic Stripes or Traffic Markings.**

SUBSECTION IS RENAMED AND CHANGED TO:

**618.12 Removal and Replacement of Traffic Delineation Devices.**

- A. **Removal of Traffic Stripes, Markings, or Reflectors and Castings.** The Contractor shall remove all types of traffic stripes or traffic markings by methods that do not damage the integrity of the underlying pavement or adjacent pavement areas, and that do not cause gouging, or create ridges or grooves in the pavement that may result in compromising vehicular control. Obliterating stripes or markings by painting over them shall not be permitted.

Before starting removal operations, the Contractor shall demonstrate the proposed method to accomplish the complete removal of the reflectors and castings and the removal of approximately 95 percent of the stripe or marking without the removal of more than 1/16 inch of pavement thickness. Area of removal includes the area

of the stripe or marking plus 1 inch on all sides. Removal operations shall not be permitted until the method of removal has been approved.

Debris from the removal of traffic stripes and markings shall be disposed of according to Subsection 201.10.

Disposal of pavement reflectors and castings shall be in conformance with Subsection 201.10.

- B. Removal and Replacement of Pavement Reflector Lenses.** The Contractor shall remove existing pavement reflector lenses and install new mono-directional or bi-directional pavement reflector lenses within the limits of construction or as directed by the Engineer. The reflector adhesive used in the bonding of the reflector lenses to the casting shall be in conformance with Subsection 912.17.

The Contractor shall remove and replace pavement reflector lenses by methods that do not damage the underlying castings.

Disposal of pavement reflectors lenses shall be in conformance with Subsection 201.10.

## COMPENSATION

### 618.14 Method of Measurement.

THE FOLLOWING IS ADDED TO THIS SUBSECTION:

Removal of pavement reflectors and castings will be measured by the number of units.

Removal and replacement of pavement reflector lenses will be measured by the number of units.

### 618.15 Basis of Payment.

THE FOLLOWING PAY ITEMS ARE ADDED:

<i>Pay Item</i>	<i>Pay Unit</i>
REMOVAL OF PAVEMENT REFLECTORS AND CASTINGS	UNIT
REMOVAL AND REPLACEMENT OF PAVEMENT REFLECTOR LENSES	UNIT

The following revisions shall be incorporated in the metric unit Standard Input SI2001M1:

## SECTION 618 - TRAFFIC STRIPES AND MARKINGS

### 618.01 Description.

THE FOLLOWING IS ADDED TO THIS SUBSECTION:

Removal of pavement reflectors and castings consists of the removal and disposal of existing raised pavement markers, including the lense when still intact.

Removal and replacement of pavement reflector lenses consists of the removal of existing pavement reflector lenses and installing new mono-directional or bi-directional pavement reflector lenses.

### 618.10 Defective Stripes or Markings.

STEP 2 OF SUBPART 2 IN THE THIRD PARAGRAPH IS CHANGED TO:

Step 2: All retroreflectance measurements taken with a LTL2000 Retrometer will be made on a clean, dry surface.

### 618.12 Removal of Traffic Stripes or Traffic Markings.

SUBSECTION IS RENAMED AND CHANGED TO:

### 618.12 Removal and Replacement of Traffic Delineation Devices.

- A. Removal of Traffic Stripes, Markings, or Reflectors and Castings.** The Contractor shall remove all types of traffic stripes or traffic markings by methods that do not damage the integrity of the underlying pavement or adjacent pavement areas, and that do not cause gouging, or create ridges or grooves in the pavement that may result in compromising vehicular control. Obliterating stripes or markings by painting over them shall not be permitted.

Before starting removal operations, the Contractor shall demonstrate the proposed method to accomplish the complete removal of the reflectors and castings and the removal of approximately 95 percent of the stripe or marking without the removal of more than 2 millimeters of pavement thickness. Area of removal includes the area of the stripe or marking plus 25 millimeters on all sides. Removal operations shall not be permitted until the method of removal has been approved.

Debris from the removal of traffic stripes and markings shall be disposed of according to Subsection 201.10.

Disposal of pavement reflectors and castings shall be in conformance with Subsection 201.10.

- B. Removal and Replacement of Pavement Reflector Lenses.** The Contractor shall remove existing pavement reflector lenses and install new mono-directional or bi-directional pavement reflector lenses within the limits of construction or as directed by the Engineer. The reflector adhesive used in the bonding of the reflector lenses to the casting shall be in conformance with Subsection 912.17.

The Contractor shall remove and replace pavement reflector lenses by methods that do not damage the underlying castings.

Disposal of pavement reflectors lenses shall be in conformance with Subsection 201.10.

## **COMPENSATION**

### **618.14 Method of Measurement.**

THE FOLLOWING IS ADDED TO THIS SUBSECTION:

Removal of pavement reflectors and castings will be measured by the number of units.

Removal and replacement of pavement reflector lenses will be measured by the number of units.

### **618.15 Basis of Payment.**

THE FOLLOWING PAY ITEMS ARE ADDED:

<i>Pay Item</i>	<i>Pay Unit</i>
REMOVAL OF PAVEMENT REFLECTORS AND CASTINGS	UNIT
REMOVAL AND REPLACEMENT OF PAVEMENT REFLECTOR LENSES	UNIT

## **Instructions to Designers**

The above specification revision shall be included for all Department projects that have been designed using the English or Metric 2001 Standard Specifications and are to be advertised after June 3, 2002. The specification revision has been incorporated in the Standard Inputs SI2001E1 and SI2001M1 updated as of May 9, 2002.

Designers may access updated versions of the Standard Inputs SI2001E1 and SI2001M1 from the following New Jersey Department of Transportation Web Page:

<http://www.state.nj.us/transportation/cpm/StandardInputs/standardinputs.htm>.

## **Distribution and Announcement Access Information**

This announcement is being distributed electronically to our in-house staff and various public agencies based on our Standard Specifications distribution list maintained by the Engineering Documents Unit.

Internet access to this BDC Announcement can be downloaded and viewed from the following New Jersey Department of Transportation Web Page:

<http://www.state.nj.us/transportation/cpm/BaselineDocuments/bdcdownloads.htm>T.

Hard copies of this document can be acquired on a limited basis by contacting:

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